

Title (en)
Flat panel display

Title (de)
Flachbildanzeige

Title (fr)
Panneau d'affichage plat

Publication
EP 1503422 A3 20060802 (EN)

Application
EP 04252171 A 20040414

Priority
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Abstract (en)
[origin: EP1503422A2] A flat panel display device includes a display region (2) formed on a substrate (11), the display region having a gate electrode, a source electrode, a drain electrode, and a self-emission device with two electrodes, and displaying a predetermined image; a covering member (12) to cover at least the display region; a sealing member (13) comprising a sealing material coated outside and around at least the display region (2), by which edges of the covering member (12) are bonded to the substrate to seal at least the display region; a terminal region (3) installed on the substrate outside the sealing member (13); and a driving power supply line (41) to supply a driving potential power and/or a source current to the display region, the driving power supply line (41) comprising at least two conductive layers (411,413) and being arranged in such a way that at least a part of the driving power supply line is positioned between the sealing member (13) and the substrate (11). Therefore, the ratio of the display region to the total size of the display increases and a non-emission region decreases. In addition, the resistance of the power supply lines is reduced.

IPC 8 full level
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H05B 33/26 (2013.01 - KR); **H10K 50/8426** (2023.02 - US); **H10K 59/131** (2023.02 - EP US); **H10K 59/1315** (2023.02 - EP US); **H10K 59/8722** (2023.02 - EP KR); **H10K 50/8428** (2023.02 - US); **H10K 59/8723** (2023.02 - EP KR)

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